

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : SUNG ET AL

Document ID NO. : 102576760A

Serial No. : 10/678,916

Filed : 10/06/2003

Title: FAST DCT METHOD AND APPARATUS FOR DIGITAL VIDEO
COMPRESSION

COMMISSIONER FOR PATENTS

P.O.BOX 1450

ALEXANDRIA, VA 22313-1450

U.S.A.

Dear Sir:

Attached is a copy of the Notice of Recordation of Assignment Document (Reel/Frame:014590/0646) as mailed to the Assignee in the above-referenced application, including the Recordation Form Cover Sheet and the Assignment document as originally filed. Please note, however, that the correspondence address for the referenced application has been changed. Assignee of the entire interest respectfully requests change of correspondence address as indicated on the attached forms of the Change of correspondence address (PTO/SB/122) and Statement under 37 CFR 3.73 (b).

Respectfully submitted,

Chih-Ta Star SUNG

(Signature)

Representative for Assignee

Title: CHIEF EXECUTIVE OFFICER

TAIWAN IMAGINGTEK CORPORATION

RM. 308, BLD. 52, NO. 195,
CHUNG HSING RD., SEC. 4,
CHU TUNG TOWNSHIP,
HSINCHU COUNTY 310,
TAIWAN.

DATE: DECEMBER 12, 2004



PTO/SB/122 (09-04)
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CHANGE OF CORRESPONDENCE ADDRESS *Application*

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	10/678,916
Filing Date	10/06/2003
First Named Inventor	Chih-Ta Star SUNG
Art Unit	2613
Examiner Name	Unknown
Attorney Docket Number	

Please change the Correspondence Address for the above-identified patent application to:

☐ The address associated with
Customer Number:

OR

☒ Firm or
Individual Name Chih-Ta Star Sung

Address **RM. 308, BLD. 52, NO. 195, CHUNG HSING RD., SEC. 4, CHU TUNG TOWNSHIP,**

City HSINCHU COUNTY

State

Zip 310

Country TAIWAN

Telephone 886-3-582-9011

Fax 886-3-582-9028

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the:

- ☐ Applicant/Inventor
- ☒ Assignee of record of the entire interest.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).
- ☐ Attorney or agent of record. Registration Number _____
- ☐ Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number _____

Signature

Typed or Printed
Name

Chih-Ta Star Sung

Date

Dec 12th, 2004

Telephone 886-3-582-9011

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ *Total of 2 forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/96 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Chih-Ta Star Sung and Chun-Hung LIEN

Application No./Patent No.: 10/678,916

Filed/Issue Date: 10/06/2003

Entitled: FAST DCT METHOD AND APPARATUS FOR DIGITAL VIDEO COMPRESSION

Taiwan ImagingTek Corporation,

a Corporation of Taiwan

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 014590, Frame 0646, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

Chih-Ta Star Sung

Printed or Typed Name

CHIEF EXECUTIVE OFFICER

Title

Dec. 12th 2004

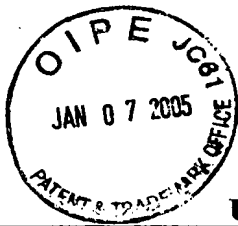
Date

+886-35829011

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 11, 2004

PTAS



102576760A

CHIH-TA STAR SUNG
RM. 105, BULD, 53, NO. 195
SEC. 4, CHUNG HSING RD., CHU TUNG TOWN
HSINCHU HSIEN, TWX R.O.C., 310

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/06/2003

REEL/FRAME: 014590/0646
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SUNG, SHIH-TA STAR

DOC DATE: 09/26/2003

ASSIGNOR:

LIEN, CHUN-HUNG

DOC DATE: 09/26/2003

ASSIGNEE:

TAIWAN IMAGING TEK CORPORATION
RM. 308 BLD. 52, NO. 195
CHUNG HSING RD., SEC. 4, CHU TUNG
TOWNSHIP
HSINCHU COUNTY, TAIWAN 310

SERIAL NUMBER: 10678916

FILING DATE: 10/06/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: FAST DCT METHOD AND APPARATUS FOR DIGITAL VIDEO COMPRESSION

DOCKET NUMBER: NIL

014590/0646 PAGE 2

THERESA FREDERICK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

10-17-2003

031088 U.S. PTO
10/678916



100603

Form PTO-1595
(Rev. 10/02)

REC

102576760

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1. Chih-Ta Star SUNG
- 2. Chun-Hung LIEN

10-6-03

2. Name and address of receiving party(ies)

Name: Taiwan ImagingTek Corporation

Internal Address:

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other

Street Address: RM. 308, BLD. 52, NO. 195,

CHUNG HSING RD., SEC. 4, CHU TUNG TOWNSHIP,

City: HSINCHU COUNTY State: TAIWAN, R.O.C. Zip: 310

Execution Date: September 26, 2003

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: September 26, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Chih-Ta Star SUNG

Internal Address:

Street Address: RM. 105, BULD. 53, NO. 195,

SEC. 4, CHUNG HSING RD., CHU TUNG TOWN,

City: HSINCHU HSIEN State: TAIWAN, R.O.C. Zip: 310

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

DO NOT USE THIS SPACE

9. Signature.

Chih-Ta Star SUNG

Name of Person Signing

Chih-Ta Star SUNG
Signature

Sep. 26th, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

10/15/2003 TBESHINE 00600031 10076515

10/15/2003

40/40 00

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) FAST DCT METHOD AND APPARATUS FOR DIGITAL VIDEO COMPRESSION

The PATENT RIGHTS referred to in this agreement are:

(check one) ☒ a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.

☐ U.S. patent application Serial No. _____, filed _____

☐ a U.S. patent application based on PCT International Application No. _____ filed on (date) _____ (U.S. patent application Serial No. _____, if known).

☐ U.S. patent No. _____, issued _____.

The PATENT RIGHTS also include all divisions reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

(check one) ☒ U.S. patent rights only.

☐ Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) Taiwan ImagingTek Corporation

(Address) RM. 308, BLD. 52, NO.195, CHUNG HSING RD., SEC.4, CHU TUNG TOWNSHIP, HSINCHU COUNTY, 310, TAIWAN, R.O.C.

The ASSIGNEE is:

(check one) ☐ An individual.

☐ A Partnership.

☒ A Corporation of TAIWAN (specify state or country)

☐ (other) _____

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, hereby assign(s) the following rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;

the entire right, title and interest in and to the PATENT RIGHTS;

the right to sue and recover for any past infringement; and

the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO
ASSIGNEE: Taiwan ImagingTek Corporation
INVENTION TITLE: FAST DCT METHOD AND APPARATUS FOR DIGITAL
VIDEO COMPRESSION

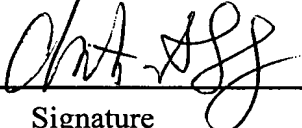
As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Chih-Ta Star Sung

Name of sole or first inventor


Signature

Sep. 26th, 2003
Date

Chun Hung Lien

Name of second inventor, if any

Chun Hung Lien
Signature

09-26-2003
Date

Name of third inventor, if any

Signature

Date

Name of fourth inventor, if any

Signature

Date

Name of fifth inventor, if any

Signature

Date

Name of sixth inventor, if any

Signature

Date

Name of seventh inventor, if any

Signature

Date

Name of eighth inventor, if any

Signature

Date